

April 24, 2006



U.S. Department
of Transportation

400 Seventh Street, S.W.
Washington, D.C. 20590

**Pipeline and
Hazardous Materials
Safety Administration**

DOT-SP 7887
(SIXTEENTH REVISION)

(FOR RENEWAL, SEE 49 CFR § 107.109.)

1. GRANTEE: (See individual authorization letter)
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation in commerce of limited quantities of certain explosive articles in prescribed packaging as Division 4.1 Flammable solid, organic, n.o.s. This special permit applies to small rocket motors (model rocket motors NA0323 and NA0276) and reloadable model rocket motor kits containing not more than 62.5 grams of propellant per device or kit which have been classed as Division 1.4 explosives under § 173.56. These articles may be of the reloadable type or the single-use expendable type. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
 - b. The safety analyses performed in development of this special permit only considered the hazards and risks associated with transportation in commerce.
 - c. Unless otherwise stated herein, this special permit consists of the special permit authorization letter issued to the grantee together with this document.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 172.101 and § 175.3(only insofar as model rocket motors and reloadable kits which are classed as Division 1.4C or 1.4S may be shipped as Division 4.1).

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5. BASIS: This special permit is based on Estes-Cox Corporation d/b/a Estes Industries application dated October 10, 2005, submitted in accordance with § 107.105 and the public proceeding thereon.
6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous materials description/proper shipping name	Hazard Class/Division	Identification Number	Packing Group
Flammable solids, organic, n.o.s. (Model rocket motors and/or rocket motor reloading kits)	4.1	UN1325	II

7. SAFETY CONTROL MEASURES:

a. Rocket motor cases may not be made of a material (e.g., metal) or of a configuration that would present a penetration hazard.

b. PACKAGING -

(1) For single-use expendable type devices:

UN Standard 4C1 Boxes of natural wood
UN Standard 4D Plywood boxes
UN Standard 4F Boxes of reconstituted wood
UN Standard 4G Fiberboard boxes

(2) For reloadable-type kits:

Each reloadable kit must be placed in a securely closed plastic bag at least 0.051mm (0.002 inches) thick as the inner packaging. Each inner packaging may not exceed 62.5 grams of propellant, 8.3 grams of delay charge and 1.4 grams of ejection charge. No more than 12 inner packagings may be placed in a fiberboard box intermediate packaging which must be packed in a UN Standard 4G

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fiberboard box. Intermediate packaging is not required for a package containing 12 or less inner packagings.

- (3) The outer packagings may not exceed 11.36 kg. 25 pounds gross weight when the individual devices each contain not more than 30 grams of propellant. The outer packagings may not exceed 4.55 kg. (10 pounds) gross weight when the individual devices each contain more than 30 grams, but not more than 62.5 grams of propellant.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this special permit who receives a package covered by this special permit may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this special permit and the HMR.

b. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.

c. The devices and kits authorized under this special permit may be shipped in the same outer packaging with Division 1.4G and/or Division 1.4S igniters for the devices, and with nonhazardous materials needed to construct model rockets.

d. The authorization to grant the relief provided within this special permit is limited to the extent that the United States government has authority over the transportation of the articles subject to this special permit. Transportation in accordance with this special permit outside the United States may require the approval of governments of countries where these articles are so transported.

e. Packages shipped under this special permit may not be offered for transportation as Consumer Commodities, ORM-D.

f. Packagings permanently marked "DOT-E 7887", prior to October 1, 2007 may continue to be used under this special permit for the remaining service life of the packaging or until the special permit is no longer valid. Packagings

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marked on or after October 1, 2007 must be marked "DOT-SP 7887".

g. Shipping papers displaying "DOT-E 7887" may continue to be used until October 1, 2007, provided the special permit remains valid.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, cargo vessel and cargo aircraft only.
10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo vessel or cargo aircraft used to transport packages covered by this special permit. The shipper must furnish a current copy of this special permit to the air carrier before or at the time the shipment is tendered.
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C 5101 et seq.:
 - o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
 - o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
 - o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8 who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by § 172.700 through § 172.704.

No person may use or apply this special permit, including display of its number, when the special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users

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(SAFETEA-LU)- 'The Hazardous Materials Safety and Security Reauthorization Act of 2005' (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term 'exemption' to 'special permit' and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety -- OHMSPA, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for Robert A. McGuire
Associate Administrator
for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Materials Safety Administration, Department of Transportation, Washington, D.C. 20590. Attention: PHH-31.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: SCWatson